

Fig. 1A: Variable Light

	10	20	30	40
2C4	DTVMTQSHKIMSTSVGDRVSITC	[KASQDVSIGVA]	WYQQR	P
	**	****	*	
574	DIQMTQSPSSLSASVGDRVTITC	[KASQDVSIGVA]	WYQQKP	
		*	****	
hum κI	DIQMTQSPSSLSASVGDRVTITC	[RASQISNYLA]	WYQQKP	

	50	60	70	80
2C4	GQSPKLLIY [SASYRYT]	GVPDRFTGSGSGTDFTTISVQA		
	**		*	**
574	GKAPKLLIY [SASYRYT]	GVPSRFSGSGSGTDFTLTISLQP		
	*	*****		
hum κI	GKAPKLLIY [AASSLES]	GVPSRFSGSGSGTDFTLTISLQP		

	90	100	
2C4	EDLAVYYC [QYYIYPYT]	FGGGTKLEIK (SEQ ID NO:1)	
	**	*	
574	EDFATYYC [QYYIYPYT]	FGQGTKVEIK (SEQ ID NO:3)	
	***	*	
hum κI	EDFATYYC [QYNSLPWT]	FGQGTKVEIK (SEQ ID NO:5)	

Fig. 1B: Variable Heavy

	10	20	30	40
2C4	EVQLQQSGPELVKPGTQSVKISKAS	[GFTFTDYTMD]	WVKQS	
	**	*	****	*
574	EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFTDYTMD]	WVRQA	
		*	***	
hum III	EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFSSYAMS]	WVRQA	

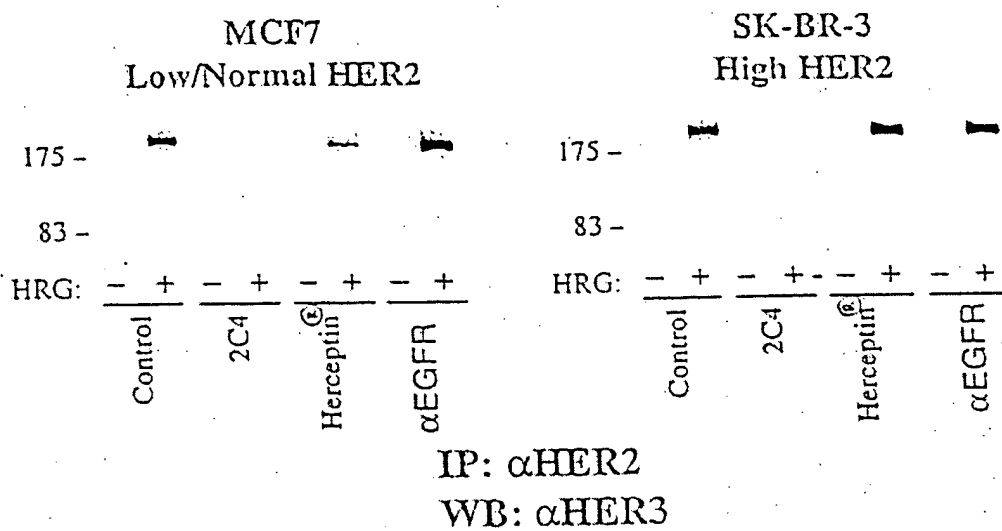
	50	a	60	70	80
2C4	HGKSLEWIG [DVNPNSGGSIYNQRFKG]	KASLTVDRSSRIVYM			
	*	*	****	*****	
574	PGKGLEWVA [DVNPNSGGSIYNQRFKG]	RFTLSVDRSKNTLYL			
	*****	****	***		
hum III	PGKGLEWVA [VISGDDGGSTYYADSVKG]	RFTISRONSKNTLYL			

	abc	90	100ab	110
2C4	ELRSLTFEDTAVYYCAR	[NLGPSFYFDY]	WGQGTTLTVSS (SEQ ID NO:2)	
	***	**	*	
574	QMNSLRAEDTAVYYCAR	[NLGPSFYFDY]	WGQGTTLTVSS (SEQ ID NO:4)	

hum III	QMNSLRAEDTAVYYCAR	[GRVGYSLYDY]	WGQGTTLTVSS (SEQ ID NO:6)	

Fig. 2A

Fig. 2B



HER2 containing dimers in protein extracts from Oncotest NSCLC xenograft explants

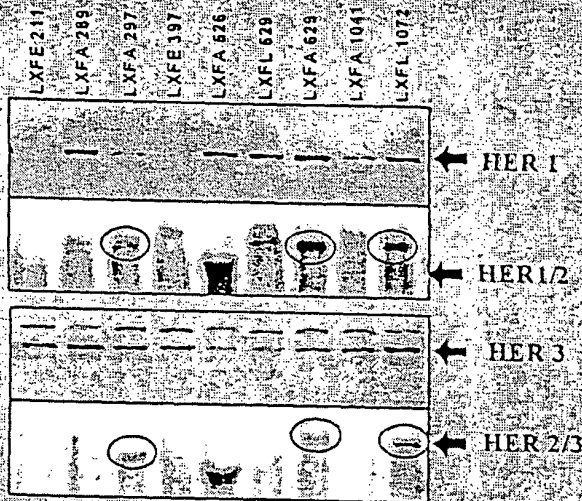
Hans-Joachim Mueller, Roche

1) Blotting with anti-HER1

2) IP anti-HER2
Blotting with anti-HER1

3) Blotting with anti-HER3

4) IP anti-HER2
Blotting with anti-HER3



HER2/HER1 dimers and HER2/HER3 dimers are elevated in the rhuMAb 2C4 responsive versus rhuMAb 2C4 non-responsive NSCLC xenografts.

Figure 3

FIGURE 4

HER2 expression/activation in protein extracts from Oncotest NSCLC xenograft explants

